DART AEROSPACE LTD	Work Order:	15989	
*			
Description: Crosstube Extrusion ( 407 fwd )	Part Number:	D6010-115	
Drawing: D6010 Rev. A	Qty:	20	

Step	Location	Procedure	Ву	Date	qty	
1	EXPEDITING	Open W/O	SM	01.211	20	1
2	PURCHASING	Issue P/O:				
		f) Material certification required	U	21-12-12	10	
3	RECEIVING	Receive and Inspect for transit damage  Ensure Material certification is attached	A.	ozotos	حدد	
4	QC	Inspect Level 6 Ensure Material certification comply to Dwg	Fe	52.07.02	14	
5	FINISHING	Chemical conversion coat as per QSI 005 4.1	900	02.07.52	14	
6	STORES	Identify and Stock	60	02-07-03	14	
7	EXPEDITING	Close W/O 360-34 M 00/07/04 (14)	(M)	02/07/04		

 Rev
 Date
 Change
 Revised By
 Approved

 A
 01.08.17
 New Issue
 SM

RELEASE & 01.08.

127.36.

22.5 165 e 25/35/101 (2) 7, 120°02

## Dart Aerospace Ltd

Work	12	1	WORK (	ORDER CHANGES					
Order: DATE	STEP	PROC	EDURE CH	ANGE	Ву	Date	Qty	Approval Manuf / Design Mgr	Approval QC Inspector
		± .	. Je	•	The state of the s		:		
					-				
				4					
NCR			WORK (	ORDER NON-CONFOR	MANCE				
DATE	STEP	Description of NC section A	Intial	Corrective Action Section B	Sign & Date	Verif Sec	ication ction C	Approval Design Mgr	Approval QC Inspector
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						10			
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PAR#:\_\_\_\_

NOTE: Date & initial all entries H:Admin-QA\ISO\forms\w/oncB.doc

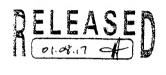
Fault Category: DQA: Date:

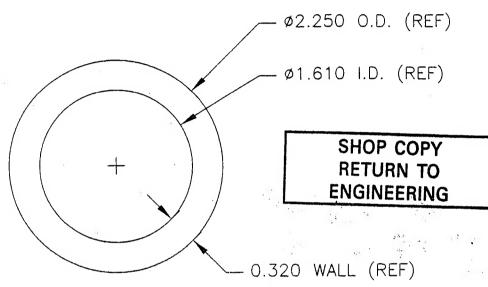
QA: N/C Closed: \_\_\_\_ Date:\_\_\_



DESIGN	#	DRAWN BY	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECK	ED <sub>A</sub>	APPROVED	DRAWING NO.	REV. A
	#	#	D6010 SHEET	1 OF 1
DATE	144		TITLE	SCALE
01.0	8.16		CROSSTUBE MATERIAL	1:1
Α		01.08.16	NEW ISSUE	

# SPECIFICATION CONTROL DRAWING





WORK ORDER

#### NOTES

1) D6010-XXX CROSSTUBE LENGTH

CONTROLLED COPY

WHERE XXX IS LENGTH IN INCHES FG. 115" LONG TUBE: D6010-115

2) MATERIAL: 2.250 OD x 0.320 WALL 7075-T6/T6511 (WW-T-700/7 OR QQ-A-225/9 OR QQ-A-200/11) SEAMLESS ALUMINUM TUBE.

MINIMUM ULTIMATE TENSILE STRENGTH = 77 ksi MINIMUM YIELD TENSILE STRENGTH = 66 ksi

3) TOLERANCES ARE PER ASTM B210 AS FOLLOWS:

O.D.: ± 0.006 MEAN (±0.012 INCLUDING OVALITY)

WALL: ±0.015 MEAN (±0.032 INCLUDING ECCENTRICITY)

LENGTH: XXX + 0.125/-0.000

STRAIGHTNESS: 0.010" DEVIATION / 12" LENGTH

4) EXTREME CARE MUST BE TAKEN TO PROTECT THE OUTSIDE SURFACE OF THE TUBE. OUTSIDE SURFACE MUST BE SMOOTH AND FREE FROM SURFACE DEFECTS SUCH AS SCRATCHES, NICKS, OR DENTS. DEFECTS UP TO 0.005" MAY BE BLENDED OUT LONGITUDINALLY. CIRCUMFERENTIAL GRIND MARKS ARE UNACCEPTABLE.

5) CHEMICAL CONVERSION COAT PER DART QSI 005 4.1

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#### Job Costing Report

Dart Aerospace Ltd. Hawkesbury

Dec 10, 2001

07:39 am

Work Order No : 0015989

: D6010-115 Project Name

Project For : WK15 Work Order Type : Main

Main WO Number

House Part Number : D6010-115

Description : Crosstube Material

Manufactured : Yes

Amount Req'd: 20

Amount Done : 0

Start Date

Est Finish Date : 04-05-02

Act Finish Date Drawings Reqd : No

Ok for Approval :

Approval Rec'd

Department Code:

Burden Flags : NNNNNNN

WO Status : Open

Invoice State : Not Invoiced

Invoice Date :

Invoice Number:

Invoice Amount : 0.00

Order Entry No :

OE Value 0.00

Est Margin : 0.000% Actual Margin : 0.000%

\$0 Posted to Finished Goods

	Estimated	Actual	Var. %	Posted	To Post
Material Cost Engineering Hours	: 0.00 : 0.00	0.00 0.00	0.00 0.00	0.00	0.00
Engineering Cost Production Hours	: 0.00	0.00 0.00	0.00	0.00	0.00
Production Cost Packaging Hours	: 0.00	0.00	0.00	0.00	0.00
Packaging Cost OverHead Hours	: 0.00	0.00	0.00	0.00	0.00
OverHead Cost CNC Hours	: 0.00	0.00	0.00	0.00	0.00
CNC Misc. Hours	: 0.00	0.00	0.00	0.00	0.00
Misc.	: 0.00	0.00	0.00	0.00	0.00
Burden	: 0.00	0.00	0.00		
Total Cost	: 0.00	0.00	0.00		
Margin Selling Cost	: 0.000	0.000 0.00			÷

		Estimated	Actual
Labour Hrs/Amount Done	:	0.00	0.00
Profits/(Loss)	:	0.00	0.00

### **BA TUBES LIMITED**

Studley Road, Redditch, Worcester B98 7HN, England Telephone (01527) 484500, Facsimile (01527) 484501



## **Approved Certificate**

BSEN ISO 9002 Registration No. FM 10669 CAA Approved Reference No. DMAA 1218 BAE Approval No. BAE/AG/30275/MAA

Customer Copy No. 94863/1 Other Tests Passed

Customer

DART AEROSPACE LIMITED 1270 ABERDEEN STREET HAWKESBURY ONTARIO CANADA

Your Order No

: 2004012 Our Order No : 81502/2

**Packing Note No** 

: 94083

Date

: 27 Mar 2002

**Packages** 

: 1 CASE

Size / Description

K6A IK7

Specification

SEAMLESS DRAWN TUBE 57.150MM O/D 8.130MM W/T 7075 Alloy Length - 3235.00 mm /27\*

7075 T6 WW-T-700/7B

Tensile Test Chemical Analysis % Н Nett Insp. 0.2% Proof Tensile No of Weight Stamp Lot or Elongation Si Cu CrNi Zn R.A.R. Test No. Stress Strength Cast No. Fe Mn Mg Pieces Lbs KSI KSI 2in 219036 69.47 80.50 15 2G338 .10 .30 1.40, .08 2.30 .19 5.59 22 551 23

Remarks

DEFECTS UP TO 0.005" MAY BE BLENDED OUT LONGITUDINALLY CASE NO. D826

Certified that the whole of the supplies detailed hereon have been inspected, tested and unless otherwise stated, conform in all respects with the requirements of the contract or order. The quality control adopted in respect of these supplies are in accordance with the conditions of our BSEN ISO 9002 registration

For and on behalf of BA Tubes Limited

Certified that, unless otherwise stated above the whole of the above-mentioned materials have been maufactured, tested and inspected in accordance with the terms of the contract order acceptable thereto and conform fully to the standard/specifications quoted hereon and the requirements of the Civil Aviation Authority

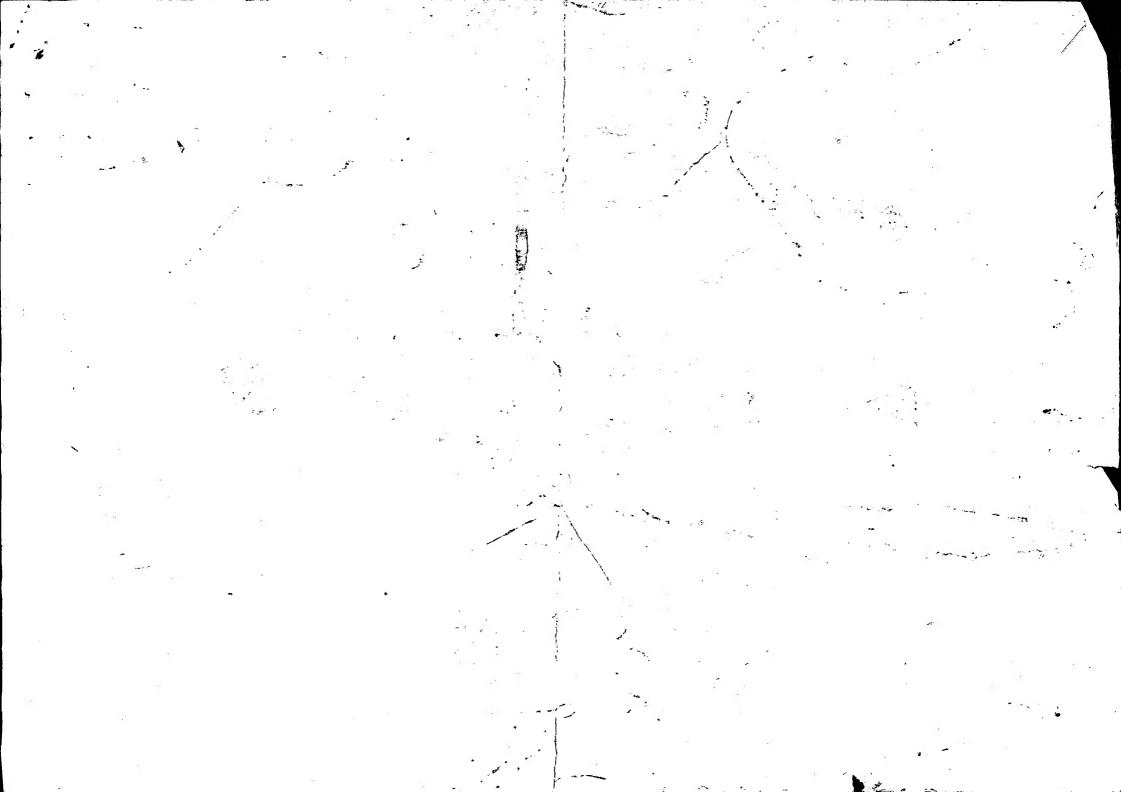
For and on behalf of BA Tubes Limited

Registered in England No. 3981395

Registered Office: The Victoria, Harbour City, Salford Quays, Manchester M5 2SP, England.

VAT Registration No. G8 668 2142 26

(THIS CERTIFICATE CONFORMS TO THE REQUIREMENTS OF EN 10204.3.1B)



DART AEROSPACE LTD	Work Order:	18980
Description: Remail per Nuc 656	Part Number:	D6010-115 (7)
		D6011-115 (1)
Dwg:	Qty:	D6007-106 (i)
		Page 1 of 1

Step	Location	Procedure	Ву	Date	Qty
1	DC	Issue Traveller			
2	FINISHING	REMOVE THE FOLIOURNE PARTS FROM QUARANTINE: (1) DEC10-115 BIS989*	Bo	3.03.31	9
3		(1) Discil - 115 BIS990# (1) Discor - 106 BIS998#			
4		* NOTE PATRITS MUL BE ASSIGNED A NEW BIN. PLEASE			
5		REFER TO THESE BIN FOR RETEIPT OF DROBE AND MATTERIAL CENTRICATION.			
6					
7	FINISHING	ACID ETCH + FLECIME INSPECT DUBINE PER QSI DOS 4.1	2	03.0-1-01	4
8	FINISHING	IDENTRY WITH PIN & MEN BIN. & STOCK ATTACH NOR BSG. TAB WHICH SAYS THE FOLLOWING:	B	03.64.60	9
9		" SEE MR 656.	1.0		,
10		THICK TO DAMO SHEPHERD BEFORE			
11		MACHININS is			
12	Ac	COST PART 124.23 ADJUST INVENTORY AS REQUIRED	Sat	03.04-11	
13					
14	DC	CLOSE W/O INSPECT LEVEL 21	10	03.04.11	
15					
16					
17		·			
18					
19		,			
20					

Rev	Date	Change	Revis#d By	Approved
Α		New issue	-11-030	